

## Special Issue

# Nighttime Lights as a Proxy for Economic Performance of Regions

### Message from the Guest Editor

Studying and managing regional economic development in the current globalization era demands prompt, reliable, and comparable estimates for regions' economic performance. Night-time lights (NTL), emitted from residential areas, entertainment places, industrial facilities, etc., and captured by satellites, have become an increasingly recognized proxy for on-ground human activities. Compared to traditional indicators supplied by statistical offices, NTL may have several advantages. First, NTL data are available all over the world, providing researchers and official bodies with the opportunity to get the estimates even for the regions with extremely poor reporting practices. Second, in contrast to non-standardized traditional reporting procedures, the unified NTL data remove the problem of inter-regional comparability. Finally, NTL data are currently globally available on a daily basis, which makes it possible to obtain the estimates promptly. In this Special Issue, we welcome contributions demonstrating the potential and efficiency of using NTL data as a proxy for the economic performance of regions.

---

### Guest Editor

Dr. Nataliya Rybnikova

1. Department of Mathematics, University of Leicester, Leicester, UK
2. Department of Natural Resources and Environmental Management, University of Haifa, Haifa, Israel
3. Department of Geography and Environmental Studies, University of Haifa, Haifa, Israel

---

### Deadline for manuscript submissions

closed (30 September 2021)



## Remote Sensing

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.1  
CiteScore 8.6



[mdpi.com/si/69712](https://mdpi.com/si/69712)

*Remote Sensing*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[remotesensing@mdpi.com](mailto:remotesensing@mdpi.com)

[mdpi.com/journal/  
remotesensing](https://mdpi.com/journal/remotesensing)





# Remote Sensing

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.1  
CiteScore 8.6



[mdpi.com/journal/  
remotesensing](https://mdpi.com/journal/remotesensing)



## About the Journal

### Message from the Editorial Board

*Remote Sensing* is now a prominent international journal of repute in the world of remote sensing and spatial sciences, as a pioneer and pathfinder in open access format. It has highly accomplished global remote sensing scientists on the editorial board and a dedicated team of associate editors. The journal emphasizes quality and novelty and has a rigorous peer-review process. It is now one of the top remote sensing journals with a significant Impact Factor, and a goal to become the best journal in remote sensing in the coming years. I strongly recommend *Remote Sensing* for your best research publications for a fast dissemination of your research.

---

### Editors-in-Chief

Dr. Prasad S. Thenkabail

Senior Scientist (ST), U. S. Geological Survey (USGS), USGS Western Geographic Science Center (WGSC), 2255, N. Gemini Dr., Flagstaff, AZ 86001, USA

Prof. Dr. Dongdong Wang

Institute of Remote Sensing and Geographic Information Systems, Peking University, Beijing, China

---

### Author Benefits

#### Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, PubAg, GeoRef, Astrophysics Data System, Inspec, dblp, and other databases.

#### Journal Rank:

JCR - Q1 (Geosciences, Multidisciplinary) / CiteScore - Q1 (General Earth and Planetary Sciences)